



**The National University of Malaysia**

*Universiti Kebangsaan Malaysia*

***Guardian of The Nation*** (Pendaulat Amanah Negara)

CENTRE OF TEACHING AND LEARNING INNOVATION

(Pusat Inovasi Pembelajaran dan Pengajaran)

FACULTY OF EDUCATION, UKM (Fakulti Pendidikan, UKM)

|   |   |
|---|---|
| <b>NAME</b><br>(Nama)   | DR. MUHAMMAD SOFWAN MAHMUD  |
| <b>CURRENT POSITION</b><br>(Jawatan Sekarang)                 | LECTURER  |
| <b>OFFICE ADDRESS</b><br>(Alamat Pejabat)                     | FACULTY OF EDUCATION/ FAKULTI PENDIDIKAN  |
| <b>TELEPHONE NUMBER</b><br>(Nombor Telefon)                   | (Pej/Office): 03-89216237<br>(HP): 016-9212057  |
| <b>EMAIL/WEBSITE</b><br>(E-Mel/ Laman Web)                    | Email: sofwanmahmud@ukm.edu.my  |
| <b>ACADEMIC QUALIFICATION</b><br>(Kelayakan Akademik)         | <ul style="list-style-type: none"> <li>• Doctor of Philosophy, Universiti Putra Malaysia, 2020 (Mathematics Education)</li> <li>• Master in Education, University Kebangsaan Malaysia, 2016 (emphasis in Mathematics Education)</li> <li>• Bachelor of Mathematics Education (Hons) , Institut Pendidikan Guru Malaysia (IPGM), 2011</li> </ul> |
| <b>AREA OF SPECIALIZATIONS</b><br>(Bidang Kepakaran)          | <ul style="list-style-type: none"> <li>• Mathematics education</li> </ul>   |
| <b>RESEARCH INTEREST</b><br>(Bidang Penyelidikan )            | <ul style="list-style-type: none"> <li>• Instructional Feedback</li> <li>• Questioning and Assessment in Mathematics Education</li> <li>• Mathematics Knowledge for Teaching</li> <li>• Mathematics Teacher Education</li> </ul>  |
| <b>WORK EXPERIENCES</b><br>(Pengalaman Kerja (Di Ukm & Luar)) | <p><b>Mathematics Lecturer</b><br/>Department of Teaching and Learning Innovation, The National University of Malaysia</p> <p><b>Mathematics Teacher</b></p> <ul style="list-style-type: none"> <li>• Sekolah Kebangsaan Kuala Pilah, Negeri Sembilan (April 2014- August 2017)</li> </ul>  |

|  | <ul style="list-style-type: none"> <li>Sekolah Kebangsaan Maludam , Sarawak (February 2011- April 2014)</li> </ul> |   |                               |   |       |        |             |       |       |   |   |   |        |   |   |   |
|--|--|---|-------------------------------|---|-------|--------|-------------|-------|-------|---|---|---|--------|---|---|---|
| <b>SUPERVISION OF STUDENTS:</b><br><i>(Penyeliaan (Tempoh 5 Tahun/ Tamat Pengajian))</i>   |  |   |                               |   |       |        |             |       |       |   |   |   |        |   |   |   |
| <table border="1"> <thead> <tr> <th>Level</th> <th>Finish</th> <th>In Progress</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Ph. D</td> <td>-</td> <td>6</td> <td>6</td> </tr> <tr> <td>Master</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> |  |   |                               |   | Level | Finish | In Progress | Total | Ph. D | - | 6 | 6 | Master | - | - | - |
| Level  | Finish   | In Progress                               | Total                         |   |       |        |             |       |       |   |   |   |        |   |   |   |
| Ph. D  | -  | 6   | 6                             |   |       |        |             |       |       |   |   |   |        |   |   |   |
| Master   | -  | -   | -                             |   |       |        |             |       |       |   |   |   |        |   |   |   |
| No.  | Title of Thesis<br><i>(Tajuk Tesis)</i>  | Name of Students<br><i>(Nama Pelajar)</i> | Years<br><i>(Tahun Lulus)</i> | Stage of Supervision<br><i>(Peringkat Penyeliaan)</i> |       |        |             |       |       |   |   |   |        |   |   |   |
| <b>Doctor of Philosophy</b>  |  |   |                               |   |       |        |             |       |       |   |   |   |        |   |   |   |
|  |  |   |                               |   |       |        |             |       |       |   |   |   |        |   |   |   |
| <b>Master</b>  |  |   |                               |   |       |        |             |       |       |   |   |   |        |   |   |   |
|  |  |   |                               |   |       |        |             |       |       |   |   |   |        |   |   |   |

| No. | <b>Latest Awards &amp; Achievements</b><br><i>(Anugerah Dan Pencapaian (2010 – Kini))</i>  | Year<br><i>(Tahun)</i> |
|-----|--|------------------------|
| 1   | Gold Award (Innovation in Teaching and Learning Category) International Competition for Educational Innovation and Research 2020 | 2020                   |
| 2   | Gold Award (Innovation in Teaching and Learning Category) International Competition for Educational Innovation and Research 2020 | 2020                   |
| 3   | Certificate of Graduate On Time (GOT) Universiti Putra Malaysia (Doctor of Philosophy)   | 2020                   |
| 4   | Excellence in Scholarly Publication Award 2019 Institute for Mathematical Research (INSPEM), Universiti Putra Malaysia           | 2020                   |
| 5   | Excellence in Scholarly Publication Award 2018 Institute for Mathematical Research (INSPEM), Universiti Putra Malaysia           | 2019                   |
| 6   | Anugerah Kecemerlangan Penerbitan FPEND 2018, Penerbitan Terbanyak Dalam Jurnal Terindeks (WOS/Scopus/ERA) Tahun 2018 (DS45)     | 2019                   |
| 7   | Bronze Medal in Pertandingan Inovasi 'Teaching Carnival' Universiti Islam Antarabangsa (UIAM) 2016                               | 2016                   |
| 8   | Bronze Medal in Pertandingan Anugerah Inovasi Penyelidikan 2016 Fakulti Pendidikan Universiti Kebangsaan Malaysia                | 2016                   |
| 9   | Gold Medal in Hari Inovasi 2015 Penghasilan Bahan Inovasi dan Modul bagi Pengajaran dan Pembelajaran Nombor Bulat                | 2015                   |
| 10  | Johan Pertandingan Inovasi Pengajaran Peringkat Daerah Kuala Pilah   | 2015                   |
| No. | <b>Honors</b><br><i>(Penghormatan)</i>   | Year<br><i>(Tahun)</i> |

|                |  |                             |
|----------------|--|-----------------------------|
| 1.             | Ministry of Higher Education of Malaysia Scholarship (PhD)   | February 2018 - August 2020 |
| No.            | <b>Penerbitan (Jurnal, Buku, &amp; Bab Dalam Buku) (2010 – Kini: 10 terbaik)</b><br>(Latest Publications, Journal, Book & Chapter in Book –The best of 10)   |                             |
|                | <b>Type</b>  | <b>Jumlah</b>               |
|                | Journal  | 20                          |
|                | Book   | -                           |
|                | Chapter in Book  | 1                           |
| <b>Journal</b> |  |                             |
| 1              | Mahmud, M. S., Halim, M. F. A., & Drus, N. F. M. (2020). School-Based Assessment Practices Among Primary School Mathematics Teachers Based On Teaching Experience. <i>PalArch's Journal of Archaeology of Egypt/Egyptology</i> , 17(9), 2930-2043.   | 2020                        |
| 2              | Mahmud, M. S., Zainal, M. S., Rosli, R., & Maat, S. M. (2020). Dyscalculia: What We Must Know about Students' Learning Disability in Mathematics?. <i>Universal Journal of Educational Research</i> , 8(12B), 8214-8222.   | 2020                        |
| 3              | Zainal, M. S., Mahmud, M. S., & Pa, W. A. M. W. (2020). Job Marketable for Student with Disability: What We Should Know for Career Transition Programme.   | 2020                        |
| 4              | Mahmud, M. S. (2020). Level of Oral Questions Used by New and Experience Teachers in Mathematics Teaching in Primary Schools. <i>International Journal of Psychosocial Rehabilitation</i> , 24(8), 3533–3541.  | 2020                        |
| 5              | Mahmud, M. S., Yunus, A. S. M., Ayub, A. F. M., & Sulaiman, T. (2020). Enhancing Mathematical Language Through Oral Questioning in Primary School. <i>International Journal of Learning, Teaching and Educational Research</i> .   | 2020                        |
| 6              | Mahmud, M. S., Yunus, A. S. M., Ayub, A. F. M., & Sulaiman, T. (2020). The use of oral questioning in inculcating values in mathematics for primary school students. <i>Universal Journal of Educational Research</i> , 8(3), 1–8.<br><a href="https://doi.org/10.13189/ujer.2020.081601">https://doi.org/10.13189/ujer.2020.081601</a>  | 2020                        |
| 7              | Mahmud, M. S., Yunus, A. S. M., Ayub, A. F. M., & Sulaiman, T. (2020). Types of Oral Questions Used by Teachers in Mathematical Problem Solving Teaching in Primary School Mathematics Teaching. <i>International Journal of Psychosocial Rehabilitation</i> , 24(06), 2278–2292.  | 2020                        |
| 8              | Mahmud, M. S. (2019). The Role of Wait Time in the Process of Oral Questioning in the Teaching and Learning Process of Mathematics. <i>International Journal of Advanced Science and Technology Vol.</i> , 28(16), 691–697.  | 2019                        |
| 9              | Mahmud, M. S., Yunus, A. S. M., Ayub, A. F. M., & Sulaiman, T. (2019). Case study of the level of oral questioning used by teachers in formative assessment during the mathematics teaching process in primary school. <i>Religación. Revista de Ciencias Sociales y Humanidades</i> , 4(18), 515–522.   | 2019                        |
| 10             | Mahmud, M. S., Yunus, A. S. M., Ayub, A. F. M., & Sulaiman, T. (2019). Impact of school location and professional qualification on level of giving feedback among primary school mathematics teachers in oral questioning process. <i>Religación. Revista de Ciencias Sociales y Humanidades</i> , 4(18), 467–473.   | 2019                        |
| 11             | Mahmud, M. S., Yunus, A. S. M., Ayub, A. F. M., & Sulaiman, T. (2019). Justification on the Selection of Revised Edition of Bloom's Taxonomy in the Levels of Oral Questioning in the Process of Teaching Mathematic in Malaysia. <i>International Journal of Innovative Technology and Exploring Engineering</i> , 8(12S2), 586–592.<br><a href="https://doi.org/10.35940/ijitee.I1106.10812s219">https://doi.org/10.35940/ijitee.I1106.10812s219</a> | 2019                        |
| 12             | Mahmud, M. S., Yunus, A. S. M., Ayub, A. F. M., & Sulaiman, T. (2019). Factors Affecting the Implementation of Low- Level Oral Questioning in Mathematics Teaching   | 2019                        |

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|                        | in Primary School. <i>International Journal of Innovative Technology and Exploring Engineering</i> , 8(12S2), 579–585. <a href="https://doi.org/10.35940/ijitee.l1105.10812s219">https://doi.org/10.35940/ijitee.l1105.10812s219</a>                                  |      |
| 13                     | Mahmud, M. S., & Suraya, A. (2018). The Practice Of Giving Feedback Of Primary School Mathematics Teachers In Oral Questioning Activities. <i>Journal of Advanced Research in Dynamical and Control Systems - JARDCS</i> , 12, 1336.                                  | 2018 |
| 14                     | Abdullah, S. N. A., Hashim, H., & Mahmud, M. S. (2018). Using Mobile Application as an Alternative to Pre-Writing Strategy. <i>International Journal of Engineering and Technology(UAE)</i> , 7, 143.   | 2018 |
| 15                     | Mahmud, M. S., & Suraya, A. (2018). Penyolan Lisan dalam Proses Pengajaran dan Pembelajaran Matematik: Sebuah Tinjauan Literatur. <i>Jurnal Penyelidikan Pendidikan, Kementerian Pendidikan Malaysia</i> , 13, 131-140.   | 2018 |
| 16                     | Muhammad Sofwan Mahmud , & Yunus, A. S. M. (2018). <i>Aras Soalan Lisan dalam Pentaksiran Formatif bagi Subjek Matematik Sekolah Rendah</i> . Paper presented at the Seminar on Ethnomathematics and Mathematics Education 2018 (SEME18), Universiti Putra Malaysia.  | 2018 |
| 17                     | Muhammad Sofwan Mahmud, & Yunus, A. S. M. (2017). <i>Penyoalan Dalam Pengajaran Dan Pembelajaran Matematik : Kajian Kes Guru Matematik Sekolah Rendah</i> . Paper presented at the INSPEM Weekly Seminar, Institut Penyelidikan Matematik, Universiti Putra Malaysia. | 2017 |
| 18                     | Mahmud, M. S. (2016). <i>Penggunaan Bahan Manipulatif 'Magic Beads' Bagi Meningkatkan Asas pembahagian Bagi Murid Tahun 5</i> . Paper presented at the Prosiding Seminar Kajian Tindakan & Inovasi Jabatan Pendidikan Negeri Sembilan 2016.                           | 2016 |
| 19                     | Muhammad Sofwan Mahmud, N. F., Muhamad Farhan. (2015). Amalan Pentaksiran Berasaskan Sekolah (PBS) Dalam Kalangan Guru Matematik sekolah Rendah. <i>Jurnal Pendidikan Matematik (JUPEMA)</i> .  | 2015 |
| 20                     | Mahmud, M. S. (2014). Penyoalan Dalam Proses Pengajaran Dan Pembelajaran Matematik Bagi Meningkatkan Kemahiran Berfikir Aras Tinggi. <i>Kertas Konsep Seminar Penulisan Akademik 1</i> .  | 2015 |
| 21                     | Muhammad Sofwan Mahmud, B. A., Muhamad Farhan, Nadia Fasha. (2014). Kepentingan Kemahiran Berfikir Aras Tinggi (KBAT) Dalam Proses Pengajaran Dan Pembelajaran Matematik. <i>Kertas Konsep Seminar Penulisan Akademik</i> .   | 2014 |
| 22                     | Muhammad Sofwan Mahmud , R. R. (2015). Penyoalan Lisan Dalam Pengajaran Dan Pembelajaran Matematik: Kajian Kes Dua Orang Guru Sekolah Rendah. Prosiding Seminar Kebangsaan Pendidikan Negara.   | 2015 |
| 23                     | Mahmud, M. S. (2010). Meningkatkan Kemahiran Penambahan Dengan Mengumpul Semula Bagi Murid Tahun 2 Menggunakan Bahan Manipulatif 'Straws And Board'. <i>Prosiding Seminar Kajian Tindakan IPG Kampus Dato' Razali Ismail</i> , 1.                                     | 2010 |
| <b>Book</b>            |   |      |
| 1                      |   |      |
| <b>Chapter in Book</b> |   |      |
| 1                      |   |      |

**List of Current Research**

*(Senarai Penyelidikan Terkini– Tempoh 5 Tahun)*

| Position       | Total |
|----------------|-------|
| Project Leader | 22    |
| Researchers    |       |

| Grants Category | Code        | Title of Project  | Position                  | Project period/Status (Tempoh Projek/Status) |
|-----------------|-------------|---|---------------------------|--|
|                 | GG-2020-025 | <i>Mathematics Teachers` Instructional Practices For Supporting Learning Continuity In The Post Era Of Covid-19</i> | <i>Penyelidik Bersama</i> | <i>01-10-2020 - 31-03-2022</i>               |
|                 | GG-2020-026 | <i>Students` Readiness And Their Academic Integrity In Mathematics Online Assessment During Pandemic Crisis</i>     | <i>Penyelidik Bersama</i> | <i>01-10-2020 - 31-03-2022</i>               |

| No. | (Community Service / Network)<br><i>Khidmat Masyarakat / Jaringan</i> | Year<br>(Tahun) |
|-----|---|-----------------|
| 1   | Perawat Persatuan Perubatan, Pengubatan & Kebajikan Darussyifa'       | 2017 - sekarang |
|     | Ketua Lajnah Rawatan, Pusat Rawatan Kecil, Darussyifa Kuala Pilah     | 2017 - sekarang |
| 2   | Penceramah jemputan sempena hari Inovasi Kolej Vokasional Jasin       | 2018            |
| 3   | Penceramah jemputan motivasi di beberapa buah sekolah                 | 2018            |
| 4   | AJK Surau Taman Senimas, Kuala Pilah                                  | 2016 – sekarang |
| 5   | AJK Persatuan Penduduk Taman Senimas, Kuala Pilah                     | 2016 - sekarang |